

**ABSTRACT OF THE DISCLOSURE**

A first channel is formed in the side of a first diffusion plate which is on that side of a gas inlet tube and a recess is formed in the side which is on that side of an electrode plate.

- 5 The first channel and the recess communicate with each other through a plurality of inlet ports. The first channel and the inlet ports form a gas flow passage L which leads to the recess from the gas inlet tube. As a process gas supplied from the gas inlet tube passes through the gas flow passage L, it is supplied, dispersed, to a hollow portion formed between the recess and the electrode plate.